



# VIDEOLARM for Panasonic

Before attempting to connect or operate this product, please read these instructions completely.

## PRODUCT INSTRUCTIONS

MODEL: Miniature Camera  
PCF5, PCV5

**DESCRIPTION:** Surface Mount Dome Housing,  
Multiple Color Cameras

### STANDARD INSTALLATION PROCEDURE

**INCLUDES MODELS:** PCF5, PCV5

Contents include:

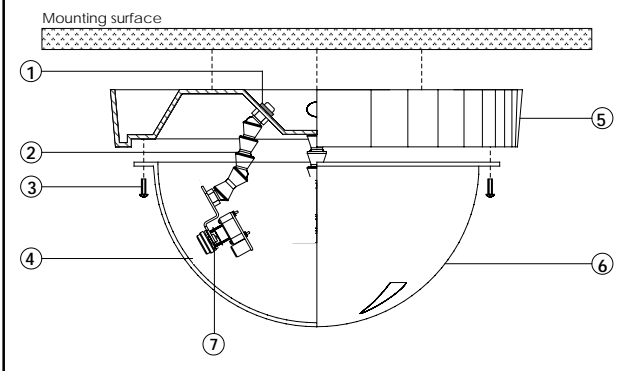
- (1) MV5 ABS Housing
- (4) Adjustable bracket arms
- (4) Universal mounting plates
- (1) 10" Tinted acrylic dome
- Mounting hardware
- (1) Camera, lens, and PC Board

### Mounting Instructions: (fig. 4)

1. Select unobstructed, level mounting surface.
2. Attach housing to the surface using appropriate mounting hardware (not included).
3. Make final adjustments to the camera the viewing locations and complete all electrical connections.
4. Attach the 10" acrylic dome to the housing using the (4) X-mas tree fasteners.

### Parts List:

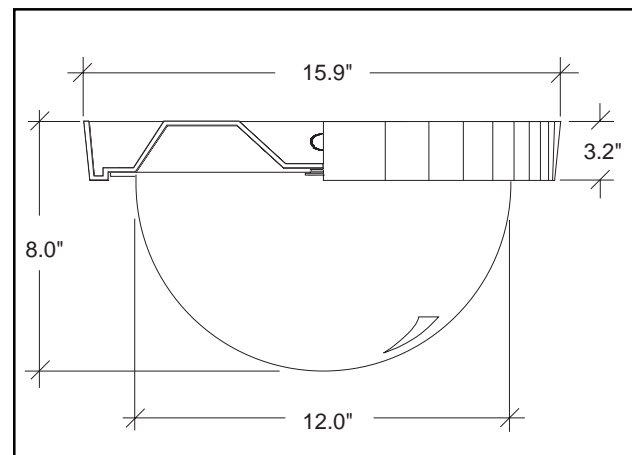
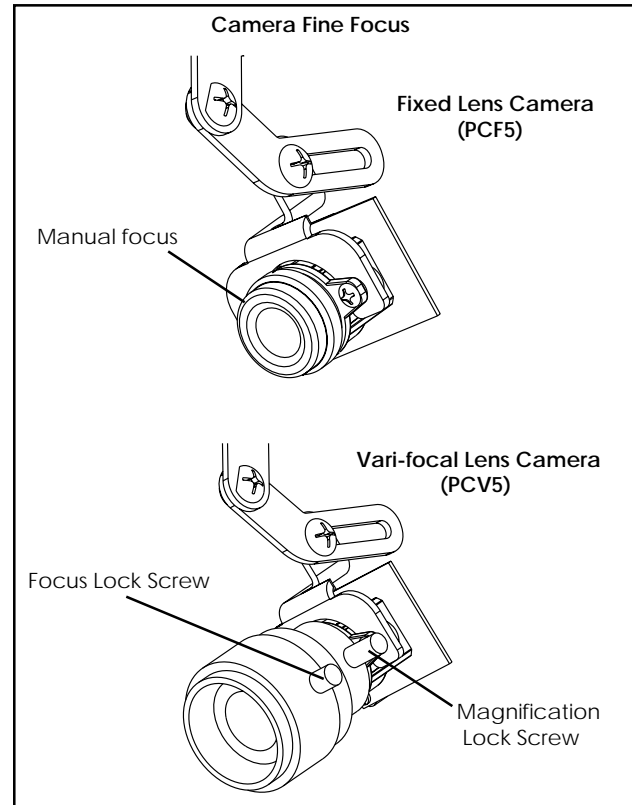
- |   |                               |
|---|-------------------------------|
| 1 | (8) 1/4" NPT nuts             |
| 2 | (4) Adjustable bracket arms   |
| 3 | (4) X-mas tree fastener       |
| 4 | (4) Universal mounting plates |
| 5 | PCF5/PCV5 ABS housing         |
| 6 | 10" Tinted acrylic dome       |
| 7 | Camera and PC Board           |



### 5. Fine focusing (see diagram below):

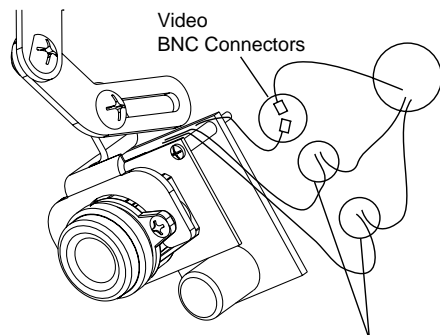
**Fixed Lens:** Manually rotate the lens until a clear picture is achieved.

**Vari-Focal Lens:** First, adjust the Magnification Lock Screw to the desired magnification (telephoto to wide angle). Tighten the Lock Screw. Next, adjust the Focus Lock Screw until a clear picture is achieved. Tighten the Lock Screw.



Specification															
Lens Type	3 - 8mm Fixed Focal Lens Series								4 - 8mm Vari- -Focal Lens Series						
Model Number	PCF1	PCF2	PCF3	PCF4	PCF5	PCF6	PCF6W	PCV1	PCV2	PCV3	PCV4	PCV5	PCV6	PCV6W	
Scanning Area	361 mm (H) x 272 mm (V) (Equivalent to scanning area of 1/4" pick-up tube)														
Scanning	525 lines / 60 fields / 30 frames														
Horizontal	15.734 kHz														
Vertical	59.94 kHz														
Synchronization	Internal Synchronization														
Video Output	1.0 V (p-p) NTSC Composite 75 ohms / BNC Connector														
Horizontal Resolution	330 lines (at center area)														
Signal-to-Noise Ratio	46 dB (with AGC OFF)														
Minimum Illumination	0.5 Footcandle (5 Lux) at F2.0								0.5 Footcandle (5 Lux) at F2.0 - 1.0 Footcandle (10 Lux) at F2.8						
Angular Field of View Horizontal Vertical	Horizontal 53.4° Vertical 40.0°								Horizontal 51.7 - 26.7° Vertical 38.4 - 20.0°						
AGC	On (Preset)														
ELC	On (Preset)														
White Balance	ATW (Preset)														
Ambient Operating Temperature	-10°C - +50°C (14°F - 122°F)														
Ambient Operating Humidity	Less than 90%														
Power Source at AC Source at DC Source	24 VAC, 40 ma 12 VDC, 80 ma														
Dimensions	W	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"
	H	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"
	D	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"
Weight	kg	0.68	0.45	0.45	0.45	1.8	0.68	0.91	0.68	0.45	0.45	0.45	1.8	0.68	0.91
	lbs	1.5	1	1	1	4	1.5	2	1.5	1	1	1	4	1.5	2

## Connections



**Power Connections**  
NOTE: Splice wiring according to standard electrical guidelines.  
Positive and Negative connections are interchangeable with this PC Board.

**CAUTION:** To prevent fire or shock hazard, the UL-Listed wire VW-1, style 1007, should be used for the cable for 24 VAC input terminals.

### Wiring Chart-Cable Distance

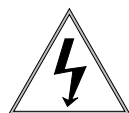
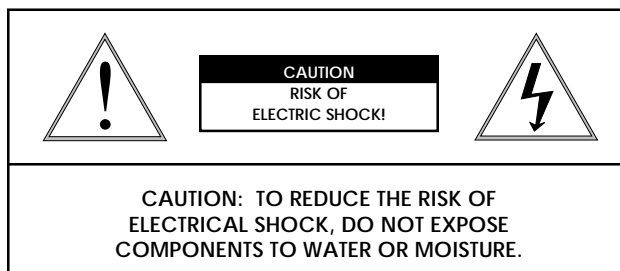
This Chart is based on a 12VDC power supply with the maximum Amp draw at .500 amps.

WIRE	20	18	16
FT.	180'	300'	480'

## IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
  - a. The installation should be made by a qualified service person, and should conform to all local codes.
  - b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

## SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

## SERVICE

For service on Panasonic/Videolarm equipment contact:  
Panasonic Technical Center  
54 West Gude Dr.  
Rockville MD 20850-1150

Phone: 301-762-5125

Fax: 301-251-0347

**PANASONIC TECHNICAL SUPPORT**

**1-800-528-6747**

**9:00 AM - 5:00 PM EASTERN TIME**